

10/535437

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s) : CASARI, et al.

U.S. Serial No.: Not Yet Known, corresponding to International Application No. PCT/EP03/012635, filed November 12, 2003, which claims priority of Italian Application No. RM2002A000576, filed November 15, 2002

Filed Date : May 11, 2005

For : DIAGNOSTIC AND THERAPEUTIC MEANS FOR PATHOLOGIES ASSOCIATED WITH ALPHA 2 SUBUNIT OF THE NA,K PUMP

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May 11, 2005

Commissioner for Patents  
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Sir/Madam:

INFORMATION DISCLOSURE STATEMENT

In accordance with their duty of disclosure under 37 C.F.R. §1.56, Applicants would like to direct the Examiner's attention to the following references which are listed below and on Form PTO/SB/08B, attached hereto as **Exhibit A**. Each individual reference is further attached as **Exhibits 1 through 6**.

1. PCT International Search Report for CASARI et al, for International Application No. PCT/EP03/012635, filed November 12, 2003, which claims priority of I.T. Serial No. RM2002A000576, filed November 15, 2002. [**Exhibit 1**]
2. SHULL, et al., "Characterization of the Human Na, K-ATPase alpha 2 Gene and Identification of Intragenic Restriction Fragment Length Polymorphisms," The Journal of Biological

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Chemistry, Vol. 264, No. 29, October 1989, pages 17532-17543, XP001027129. [Exhibit 2]

3. GLENN, et al., "Relation of Alleles of the Sodium-Potassium Adenosine Triphosphate alpha 2 Gene with Blood Pressure and Lead Exposure," Journal of Epidemiology, Vol. 163, No. 6, March 2001, pages 537-545, XP001027407. [Exhibit 3]
4. DUCROS, et al., "Mapping of a Second Locus for Familial Hemiplegic Migraine to 1q21-q23 and Evidence of Further Heterogeneity," Annals of Neurology, Vol. 42, No. 6, December 1997, pages 885-890, XP002058761. [Exhibit 4]
5. HAAN, et al., "Alternating hemiplegia of childhood: no mutations in the familial hemiplegic migraine CACNA1A gene," Cephalgia, Vol. 20, No. 8, October 2000, pages 696-700, XP002283887. [Exhibit 5]
6. DATABASE GENE BANK: "Homo sapiens ATPase, NA<sup>+</sup>, K<sup>+</sup> transporting, alpha 2 (+) polypeptide (ATP1A2), mRNA, March 19, 1999, Database accession no. NM\_000702, XP002283888 [Exhibit 6]

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If a telephone interview would be of assistance in advancing prosecution of the subject application, Applicants' undersigned attorney invites the Examiner to telephone him at the number provided below.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement. However, if any fee is required, authorization is hereby given to charge the amount of any such fee to Deposit Account No. 50-1891.

Respectfully submitted,

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Substitute for form 1449/PTO

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(Use as many sheets as necessary)

Sheet

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of

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Complete if Known	
Application Number	Not yet known <b>10/535437</b>
Filing Date	May 11, 2005
First Named Inventor	Giorgio CASARI
Art Unit	Not yet known
Examiner Name	Not yet known
Attorney Docket Number	1069-PCT-US

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	1	PCT International Search Report for CASARI et al, for International Application No. PCT/EP03/012635, filed November 12, 2003, which claims priority of I.T. Serial No. RM2002A000576, filed November 15, 2002	
	2	SHULL, et al., "Characterization of the Human Na, K-ATPase alpha 2 Gene and Identification of Intragenic Restriction Fragment Length Polymorphisms," The Journal of Biological Chemistry, Vol. 264, No. 29, October 1989, pages 17532-17543, XP001027129	
	3	GLENN, et al., "Relation of Alleles of the Sodium-Potassium Adenosine Triphosphate alpha 2 Gene with Blood Pressure and Lead Exposure," Journal of Epidemiology, Vol. 163, No. 6, March 2001, pages 537-545, XP001027407	
	4	DUCROS, et al., "Mapping of a Second Locus for Familial Hemiplegic Migraine to 1q21-q23 and Evidence of Further Heterogeneity," Annals of Neurology, Vol. 42, No. 6, December 1997, pages 885-890, XP002058761	
	5	HAAN, et al., "Alternating hemiplegia of childhood: no mutations in the familial hemiplegic migraine CACNA1A gene," Cephalgia, Vol. 20, No. 8, October 2000, pages 696-700, XP002283887	
	6	DATABASE GENE BANK: "Homo sapiens ATPase, NA+,K+ transporting, alpha 2 (+) polypeptide (ATP1A2), mRNA, March 19, 1999, Database accession no. NM_000702, XP002283888	

Examiner Signature	Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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